

Philips Fortimo LED Spotlight Module System

High quality illumination with minimum maintenance



Features

- Future-proof, convenient modules
- 5 year limited warranty on system
- UL recognized Class 2 system
- Small package, available in 800 to 2000lm packages
- 0-10V Dimming

Benefits

- Upgradeable and easily replaceable
- Extremely reliable lighting system
- Meets the needs for lighting industry
- Competes with existing spotlighting technologies
- Added system control, additional energy savings

Applications: Spotlighting, track lighting, accent and display lighting in office, retail and hospitality applications

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1. LED Light Modules

These future-proof modules are designed for ease of integration into existing or new fixtures. They deliver high quality illumination, uniform colors and consistent lighting with enough lumens to compete with conventional light sources.

Description	Initial Lumens	CRI	CCT (K)	System Input Power (W)	System Efficacy (Lm/W)	Input Voltage (V)	Module B50 L70 (Hours) T case max 65°C	T ambient (°C)	Fortimo SLM Part Number
Fortimo LED SLM 800 11W/830	800	>80	3000	13	58	120 to 277	50k	-20	929000621403
Fortimo LED SLM 800 10W/835	800	>80	3500	12	61	120 to 277	50k	-20	929000621503
Fortimo LED SLM 800 10W/840	800	>80	4000	12	64	120 to 277	50k	-20	929000621603
Fortimo LED SLM 1100 18W/830	1100	>80	3000	20	52	120 to 277	50k	-20	929000611503
Fortimo LED SLM 1100 18W/835	1100	>80	3500	20	54	120 to 277	50k	-20	929000612703
Fortimo LED SLM 1100 17W/840	1100	>80	4000	18	58	120 to 277	50k	-20	929000612903
Fortimo LED SLM 1500 20W/830	1500	>80	3000	22	60	120 to 277	50k	-20	929000621703
Fortimo LED SLM 1500 20W/835	1500	>80	3500	22	62	120 to 277	50k	-20	929000621803
Fortimo LED SLM 1500 19W/840	1500	>80	4000	35	65	120 to 277	50k	-20	929000621903
Fortimo LED SLM 2000 33W/830	2000	>80	3000	35	54	120 to 277	50k	-20	929000611603
Fortimo LED SLM 2000 33W/835	2000	>80	3500	35	55	120 to 277	50k	-20	929000612803
Fortimo LED SLM 2000 31W/840	2000	>80	4000	32	60	120 to 277	50k	-20	929000613003

2. Driver Solution

The highly efficient Xitanium LED driver is specifically designed for the modules. This driver has various features including dimming (0 – 10V), thermal foldback, fixed output and a 12V output which can be used with a Nuventix SynJet among other options. Each Fortimo LED Spotlight Module requires one Xitanium LED driver.

Description	Input Voltage	Dimming	Wattage	Fortimo Driver Part Number
Xitanium LED Driver	120 to 277VAC	0-10V	35W	913701213402

3. Cable Solution

As an important part of the Fortimo system, this cable has been specifically designed to maintain the quality of the overall system as well as to ensure the system warranty.

Description	Fortimo Cable Part Number — Length 500mm
Fortimo LED SLM 800/1100/1500/2000	442240073981*

*Includes wire for SynJet Cooler and other options.

4. Thermal Management Solutions

To optimize the lifetime and amount of light from the Fortimo LED Spotlight Module system, it must operate within specified temperature limits. In conjunction with Nuventix heat sinks (passive cooling) and Nuventix SynJet coolers (active cooling), proper thermal management will give you the ability to control the overall system performance.

Description	Nuventix Heat Sink Part Number	Nuventix SynJet Cooler Part Number	Nuventix Wire Harness
Fortimo LED SLM 800 - 830/835/840 - T _{amb} 40°C	HSSLS-CALCL-005	SPARS-CM012-002	WALLS-C4600-001
Fortimo LED SLM 1100 - 830/835/840 - T _{amb} 35°C	HSSLS-CALCL-005	SPARS-CM012-002	WALLS-C4600-001
Fortimo LED SLM 1500 - 830/835/840 - T _{amb} 40°C	HSLCS-CALCL-001	SSLCS-CM012-002	WALLS-C4600-001
Fortimo LED SLM 2000 - 830/835/840 - T _{amb} 35°C	HSLCS-CALBL-001	SSLCS-CM012-002	WALLS-C4600-001



Note: Listed part numbers are recommended solutions. Other options are available dependent on application.

5. Optical Solutions – Reflectors

All applications require a specific optical distribution pattern. Alux-Luxar, a leading aluminum reflector manufacturer, offers products in multiple beam angles and shapes to fit most applications in pre- and post-anodized materials.

Description	Alux-Luxar Round Spun (Post-Anodized) Reflectors			
	Specular 2x14° FLC 1300*	Specular 2x20° FLC 1600	Specular 2x10° FLC 1900	Specular 2x19° FLC 2500
Fortimo LED SLM 800/1100/1500/2000	Alux-Luxar Round Segmented (Pre-Anodized) Reflectors			
	Diffuse 2x13.5° FLC 1400*	Diffuse 2x18.5° FLC 1700	Diffuse 2x11° FLC 2000	Diffuse 2x18° FLC 2600
	Alux-Luxar Square Segmented (Pre-Anodized) Reflectors			
	Diffuse 2x25.5° FLC 1500	Diffuse 2x31.5° FLC 1800	Diffuse 2x24° FLC 2400	Diffuse 2x35.5° FLC 2700



* Mechanically compatible with Nuventix heat sinks.

Note: Current specifications, subject to change. Please check our website for the latest specifications.